



40-00005

HUNLOCK CREEK ENERGY VENTURES/HUNLOCK POWER STA



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: October 31, 2005
Expiration Date: October 31, 2010

Effective Date: October 31, 2005

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 40-00005

Federal Tax Id - Plant Code: 23-1650159-1

Owner Information

Name: HUNLOCK CREEK ENERGY VENTURES UGI DEV CO
Mailing Address: PO BOX 224
390 ROUTE 11
HUNLOCK CREEK, PA 18621

Plant Information

Plant: HUNLOCK CREEK ENERGY VENTURES/HUNLOCK POWER STA
Location: 40 Luzerne County 40943 Hunlock Township
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: DAVID R STETTLER
Title: MANAGER - POWER PRODUCTIO
Phone: (570) 830 - 1270

Permit Contact Person

Name: DAVID R STETTLER
Title: MANAGER - POWER PRODUCTIO
Phone: (570) 830 - 1270

[Signature] _____
THOMAS A DILAZARO, NORTHEAST REGION AIR PROGRAM MANAGER



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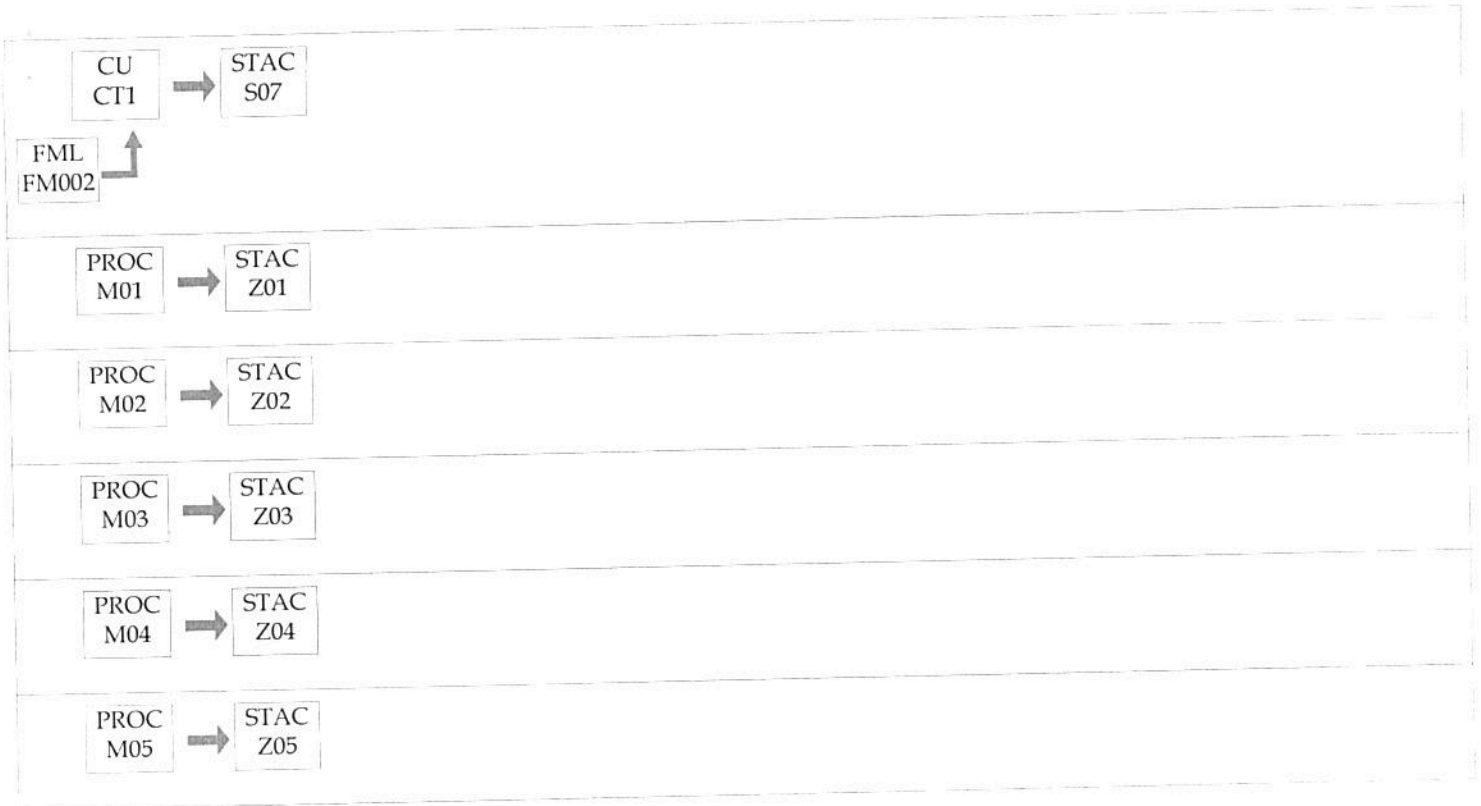
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**SECTION B. General Title V Requirements****#006 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]****Inspection and Entry**

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
 - (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
 - (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
 - (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.
- (b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.
- (c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#007 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]**Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.512(c)(2)]**Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]**Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to

**SECTION B. General Title V Requirements****#014 [25 Pa. Code § 127.450]****Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code § 127.450(a), according to procedures specified in § 127.450. Administrative amendments are not authorized for any amendment precluded by the Clean Air Act or the regulations thereunder from being processed as an administrative amendment.

(b) Upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), the Department will allow coverage under 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III, unless precluded by the Clean Air Act or the regulations thereunder.

#015 [25 Pa. Code § 127.512(b)]**Severability Clause**

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#016 [25 Pa. Code §§ 127.704, 127.705 & 127.707]**Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#017 [25 Pa. Code §§ 127.14(b) & 127.449]**Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

SECTION B. General Title V Requirements

127.516 (relating to permit shield) applies to de minimis emission increases and the installation of minor sources made pursuant to this permit condition.

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#018 [25 Pa. Code §§ 127.11a & 127.215]

Reactivation of Sources

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#019 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#020 [25 Pa. Code §§ 127.402(d) & 127.513(1)]

Submissions

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter,
or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Air Enforcement Branch (3AP12)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other

SECTION B. General Title V Requirements

The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #020(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#024 [25 Pa. Code § 127.513]

Compliance Certification

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification should be postmarked or hand-delivered within thirty days of each anniversary date of the date of issuance or, of the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [25 Pa. Code § 127.3]

Operational Flexibility

(a) The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

(b) Unless precluded by the Clean Air Act or the regulations adopted thereunder, the permit shield authorized under 25 Pa. Code § 127.516 shall extend to operational flexibility changes made at this Title V facility pursuant to this permit condition and other applicable operational flexibility terms and conditions of this permit.

#026 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

Risk Management

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release

SECTION B. General Title V Requirements

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department on minor or significant permit modifications, and operational flexibility changes shall be covered by the permit shield. Upon taking final action granting a request for an administrative permit amendment, the Department will allow coverage of the amendment by the permit shield in § 127.516 for administrative amendments which meet the relevant requirements of 25 Pa. Code Article III.

(d) The permit shield authorized under § 127.516 is in effect for the permit terms and conditions in this Title V permit, including administrative operating permit amendments and minor operating permit modifications.

SECTION C. Site Level Requirements**III. MONITORING REQUIREMENTS.****# 006 [25 Pa. Code §127.511]**

Monitoring and related recordkeeping and reporting requirements.

If requested by the Department, the permittee shall perform a stack test, in accordance with the provisions of the most current publication of the DEP Source Testing Manual and Chapter 139 of the Rules and Regulations of the Department of Environmental Protection, within the time frame specified by the Department.

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

FUGITIVE AND VISIBLE EMISSIONS

The permittee shall conduct weekly inspections of the Hunlock Generating Station, during daylight hours when the plant is in operation, to detect visible and/or fugitive emissions (from sources not handled by the CEMs) as follows:

(a) Visible emissions in excess of the limits stated in Site Level Condition #004. Visible emissions may be measured according to the methods specified in Site Level Condition #012(b), or alternatively, plant personnel who observe any visible emissions (i.e. emissions in excess of 0% opacity) will report the incident of visible emissions to the Department within four (4) hours of each incident and make arrangements for a certified observer to verify the opacity of the emissions.

(b) The presence of fugitive emissions visible beyond the boundaries of the Hunlock Generating Station, as stated in Site Level Condition #002.

(c) The presence of malodorous air emissions detectable beyond the boundaries of the Hunlock Generating Station, as stated in Site Level Condition #003.

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §127.511]**

Monitoring and related recordkeeping and reporting requirements.

FUGITIVE AND VISIBLE EMISSIONS

(a) The permittee shall, at the conclusion of each weekly inspection, record all occurrences of fugitive or visible emissions which deviate from the limitations, Site Level Conditions #002 and #004, in a log book.

(b) The permittee shall record any and all corrective action(s) taken to abate each recorded deviation or prevent future occurrences.

(c) Source(s) monitored by the continuous opacity monitor are exempt from the requirements of paragraph (a).

009 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

All records, reports and analyses results generated in compliance with the requirements of any section of this permit shall be maintained in accordance with General Title V Requirement #022, Section (b), and shall be made available to the Department upon written or verbal request at a reasonable time.

V. REPORTING REQUIREMENTS.**# 010 [25 Pa. Code §127.511]**

Monitoring and related recordkeeping and reporting requirements.

The permittee shall, within one (1) hour of occurrence, notify the Department at (570) 826-2511 (WB) of any malfunction which results in, or may possibly be resulting in, emissions of air contaminants in excess of the limitations specified in, or established pursuant to, this operating permit or any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection. A written report shall be submitted to the Department within five (5) working days following the incident, describing the malfunction and the corrective actions being taken. The Department may take enforcement action for any violations of the applicable standards.

011 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

FUGITIVE AND VISIBLE EMISSIONS

(a) On a semi-annual basis, the permittee shall compile a report of all logged instances of deviation of the fugitive or visible

**SECTION C. Site Level Requirements**

burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) Subsection (a) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (a) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(3) During an air pollution episode, open burning is limited by 25 Pa. Code Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

VII. ADDITIONAL REQUIREMENTS.**# 015 [25 Pa. Code §127.531]**

Special conditions related to acid rain.

Source 031 at the Hunlock Generating Station is an affected unit subject to Phase II acid rain requirements under Title IV of the Clean Air Act and 25 Pa. Code Section 127.531. The Department of Environmental Protection hereby issues and incorporates by reference into this Title V operating permit the required Acid Rain Phase II permit for the facility (Attachment A).

(a) Sulfur Dioxide (SO₂) Allowance Allocations and Nitrogen Oxide (NO_x) Requirements for each affected combustion unit: See Attachment A, Page 2.

(b) Comments, Notes and Justification: See Attachment A, Page 2.

(c) Permit Application: See Attachment B.

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/01/1996 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #24 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** Permit Shield In Effect ****

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §127.441]**

Operating permit terms and conditions.

When combusting synthetic fuel, the binder will be Covol 298-1 at a maximum application rate of 0.1% by weight.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, Section 129.92]

The metallic contents of the waste fuel oil combusted in Source 031 may not exceed the following limitations:

a) Arsenic:	Acceptable Conc.=	Less than 5 ppm	Analytical Tech.-	Atomic Absorption
b) Cadmium:	Acceptable Conc.=	Less than 2 ppm	Analytical Tech.-	Atomic Absorption
c) Chromium:	Acceptable Conc.=	Less than 10 ppm	Analytical Tech.-	Atomic Absorption
d) Lead:	Acceptable Conc.=	Less than 100 ppm	Analytical Tech.-	Atomic Absorption
e) PCBs:	Acceptable Conc.=	No detectable Level	Analytical Tech.-	H2SO4 ext./GC Electron capt.
f) Total Halides:	Acceptable Conc.=	Less than 1000 ppm	Analytical Tech.-	Ref. Method ASTM D-808-81

008 [25 Pa. Code §127.444]

Compliance requirements.

With the exception of the RACT allowance for the combustion of waste oils generated at the facility, only anthracite coal, bituminuous coal, petroleum coke, #2 fuel oil or synthetic fuel may be combusted by this source.

Operation Hours Restriction(s).

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, Section 129.92]

The permittee shall limit the operation schedule of the double-arch furnace boiler #6 (Source 031) such that its total annual operating time does not to exceed 8,600 hours/year.

Throughput Restriction(s).

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Synthetic fuel consumption is limited to a maximum of 60,000 tons per year.

II. TESTING REQUIREMENTS.**# 011 [25 Pa. Code §127.511]**

Monitoring and related recordkeeping and reporting requirements.

[Authority for this condition is also derived from 25 Pa. Code, Section 129.92]

The permittee shall perform a monthly analysis of the waste oil to be disposed of in this combustion unit. A representative sample of the oil shall be obtained and tested. The fuel characteristics to be determined shall include, but not be limited to, the following:

- (a) The heating value (in Btu/gal);
- (b) The percent (%) ash content, by weight;
- (c) The specific gravity of the oil; and
- (d) The concentrations of the following heavy metals:

- (1) Arsenic Compounds,
- (2) Cadmium Compounds,
- (3) Chromium Compounds,
- (4) Lead Compounds,

**SECTION D. Source Level Requirements****(b) Verification of Operational Status**

The operation of the COM shall be verified by a power "on" indicator light in the control center, the presence of a non-zero opacity signal on the COM readout, and the results of the QA/QC program.

(c) QA/QC Practices

To assure the accuracy of readings from the COM, the permittee shall perform daily drift checks, a quarterly calibration audit, and an annual RATA. The daily zero/span drift may not exceed 2%. Calibration error may not exceed 3% on a quarterly basis.

(d) Data Collection Procedures & Averaging Periods

An electronic data acquisition & handling system (DAHS) shall collect data points from the COM approximately every 10 seconds. These % opacity data points are reduced to 1-minute averages and then to 1-hour averages. Overall averaging period is in one hour blocks.

019 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for permit conditions (a)-(c) is also derived from 40 CFR §64.6 & §64.3]

(a) The permittee shall use the opacity readings to obtain data and monitor the emission control equipment performance.

(b) The permittee shall use a Continuous Opacity Meter (COM) to measure opacity downstream of the electrostatic precipitator.

(c) The permittee shall monitor the aforementioned performance indicator on a continuous basis.

[Additional authority for permit condition (d) is also derived from 40 CFR §64.3]

(d) For the purposes of determining an excursion, the permittee shall collect opacity data points over one hour blocks.

IV. RECORDKEEPING REQUIREMENTS.**# 020 [25 Pa. Code §127.511]**

Monitoring and related recordkeeping and reporting requirements.

[Authority for this condition is also derived from 25 Pa. Code, Section 129.92]

The company shall maintain records in accordance with the recordkeeping requirements of 25 Pa. Code, Section 129.95, and shall include, as a minimum, the following:

(a) Data which clearly demonstrate that Source 031 never exceeds the operational limit of 8,600 hours per year.

(b) The records shall provide sufficient data to clearly demonstrate that the NO_x emission limit of Source Level Condition #003 and 25 Pa. Code, Sections 129.91-94 are met.

021 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record data concerning Opacity, NO_x and SO₂ emissions, and Volumetric Air Flow on a minute-by-minute basis, and the data shall be maintained at the Station by the Data Acquisition and Handling System (DAHS) associated with the continuous emission monitoring systems.

022 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the results of each ash content analysis of the coal. These records, and the quantity of fuel consumed, shall be used in the calculation of particulate emissions from the combustion of coal by this source.

SECTION D. Source Level Requirements

[Additional authority for permit condition (b) is also derived from 40 CFR §64.9]

(b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, possible causes and corrective actions taken in the Quarterly CEMs Emissions Reports.

VI. WORK PRACTICE REQUIREMENTS.

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, Section 129.92]

(a) The permittee is hereby authorized to dispose of waste oils, which are generated on the premises of the Hunlock Creek Station, by means of incineration in the No. 6 boiler. This authorization is conditional to the waste oil meeting the percent (%) ash, by weight, and heavy metal content fuel characteristic limitations of Source Level Conditions #004 and #005. The combustion of waste oil from any source other than the facility is prohibited.

(b) If the waste oil exceeds the ash or contaminant limitations, or a copy of the analysis of each batch of waste oil is not submitted to the Department within 30 days of the date on which the analysis was completed, no waste oil may be disposed of in the boiler.

028 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Addition authority for permit conditions (a)-(e) is also derived from 40 CFR §64.8]

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

- (1) Six or more excursions occur in a six-month reporting period.
- (2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) In general, the QIP should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained within the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(c) In accordance with 40 CFR Part 64, §64.8, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- (1) Improved preventative maintenance practices.
- (2) Process operation changes.
- (3) Appropriate improvements to control methods.
- (4) Other steps appropriate to correct performance.

(d) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- (1) Address the cause of the control device performance problem; or
- (2) Provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(e) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any Federal, State, or Local laws or any other applicable requirements under the Clean Air Act.

[Additional authority for permit condition (f) is also derived from 40 CFR §64.9]

**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: CLEAVER BROOKS BOILER #8

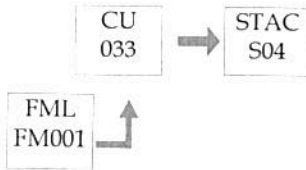
Source Capacity/Throughput:

31.200 MMBTU/HR

227.00 Gal/HR

#2 Oil

Conditions for this source occur in the following groups: G1

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.11]

Combustion units

The concentration of particulate matter (expressed as TSP) in the emissions from this boiler shall not exceed 0.4000 Pounds per Million BTU of Total Suspended Particulate.

002 [25 Pa. Code §123.22]

Combustion units

The concentration of sulfur oxides (expressed as SO₂) in the emissions from this boiler shall not exceed 4.0000 Pounds per Million BTU of Sulfur Dioxide over any 1-hour period.

Fuel Restriction(s).

003 [25 Pa. Code §127.444]

Compliance requirements.

This combustion unit shall only combust #2 distillate fuel oil.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall, on a daily basis, monitor the hours of operation of this boiler.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall keep records of the hours of operation of this boiler. This, with the records of the heating value, ash content and sulfur content of the #2 fuel oil, shall be used with EPA's AP-42 emission factors to determine compliance with Source Level Conditions #001 and #002.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authorization for this condition is also derived from 25 Pa. Code, Section 129.93]

(a) The permittee shall record each adjustment conducted under the procedures in Source Level Condition #007 in a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the

**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: CLEAVER BROOKS BOILER #7

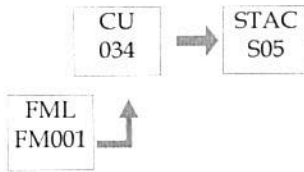
Source Capacity/Throughput:

31.200 MMBTU/HR

227.00 Gal/HR

#2 Oil

Conditions for this source occur in the following groups: G1

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]**

Combustion units

The concentration of particulate matter (expressed as TSP) in the emissions from this boiler shall not exceed 0.4000 Pounds per Million BTU of Total Suspended Particulate.

002 [25 Pa. Code §123.22]

Combustion units

The concentration of sulfur oxides (expressed as SO₂) in the emissions from this boiler shall not exceed 4.0000 Pounds per Million BTU of Sulfur Dioxide over any 1-hour period.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.444]**

Compliance requirements.

This combustion unit shall only combust #2 distillate fuel oil.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.**# 004 [25 Pa. Code §127.511]**

Monitoring and related recordkeeping and reporting requirements.

The permittee shall, on a daily basis, monitor the hours of operation of this boiler.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.511]**

Monitoring and related recordkeeping and reporting requirements.

[Authorization for this condition is also derived from 25 Pa. Code, Section 129.93]

(a) The permittee shall record each adjustment conducted under the procedures in Source Level Condition #007 in a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:

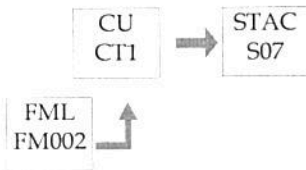
- (1) The date of the tuning procedure;
- (2) The name of the service company and technicians;
- (3) The final operating rate or load;
- (4) The final CO and NO_x emission rates; and

**SECTION D. Source Level Requirements**

Source ID: CT1

Source Name: SIMPLE CYC COMBUSTION TURBINE W/WATER INJECTION

Source Capacity/Throughput: 424.600 MMBTU/HR

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The concentration of Particulate Matter (expressed as TSP) in the exhaust gases from this source may not exceed 0.02 grains per dry standard cubic foot of Total Suspended Particulate.

002 [25 Pa. Code §123.21]**General**

The concentration of Sulfur Oxides (expressed as SO₂) in the emissions from this source may not exceed 500 Parts per Million (by volume, on a dry-basis) of Sulfur Dioxide over any 1-hour period.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The emissions of Nitrogen Oxides (expressed as NO_x) from this source shall not exceed 25 ppm (@ 15% O₂) of Nitrogen Oxides. This limit applies at all times except during periods of start-up or shutdown of the source, as defined below:

(1) The start-up period is a period from no electrical generation up to one (1) hour after the unit is started. Normal operation is considered to have started after the one (1) hour start-up time, and the NO_x limit mentioned above shall apply. The start-up period may not exceed 1 hour per occurrence.

(2) Shutdown commences with cessation of fuel (natural gas) being injected into the combustion chambers. The shutdown period may not exceed 1 hour per occurrence.

(b) The emission of NO_x from this sources shall not exceed 41 Lbs per Hour (based on a 3-hour rolling average) of Nitrogen Oxides.

(c) The emission of NO_x from this source shall not exceed 37.9 Tons per Year (based on a 12-month rolling summation) of Nitrogen Oxides.

(d) The limitations of paragraphs (b) and (c) include the emission of NO_x during periods of start-up and shutdown.

Fuel Restriction(s).**# 004 [25 Pa. Code §127.444]****Compliance requirements.**

This source shall combust only natural gas.

Operation Hours Restriction(s).**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source shall not operate more than 1850 hours per year (based upon a 12-month rolling summation).

**SECTION D. Source Level Requirements****# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.7]**

Subpart A - General Provisions

Notification and record keeping.

(a) The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

(b) The permittee shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records.

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]**

Operating permit terms and conditions.

This source is subject to Subpart GG of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Part 60.4 requires the submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director
Air, Toxics and Radiation
US EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

014 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authority for this condition is also derived from 25 Pa. Code, Section 127.83 and 40 CFR Part 52.1(j)(2)]

All CEM reports shall be submitted to the Department within thirty (30) days after each quarter, but no later than the time frame established in the Department's latest Continuous Source Monitoring Manual. The Department reserves the right to require the report in floppy disks with a format acceptable to the Department.

015 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authority for this condition is also derived from 25 Pa. Code, Section 127.83 and 40 CFR Part 52.1(j)(2)]

The permittee shall, within one (1) hour of occurrence, notify the Department at (570) 826-2511 (WB) of any recordkeeping or reporting errors, or other possible non-compliance issues with this source which result in, or may possibly be resulting in, emissions of air contaminants in excess of the limitations specified in, or established pursuant to, this operating permit or any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection. A written report shall be submitted to the Department within five (5) working days following the incident, describing the recordkeeping or reporting error, or other non-compliance issue and the corrective actions being taken. The Department may take enforcement action for any violations of the applicable standards.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.334]

Subpart GG - Standards of Performance for Stationary Gas Turbines

Monitoring of operations.

For the purpose of reports required under Source Level Condition #012(a), periods of excess emissions that shall be reported are defined as follows:

(1) Sulfur dioxide. Any daily period during which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8 percent.

(2) Ice fog. Each period during which an exemption provided in 40 CFR Part 60.332(g) is in effect shall be reported in writing

**SECTION D. Source Level Requirements**

Source ID: M01

Source Name: PAVED ROADS

Source Capacity/Throughput:

N/A

FUGITIVE DUST

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 001 [25 Pa. Code §123.1]**

Prohibition of certain fugitive emissions

The permittee shall comply with the requirements of Site Level Conditions #001 & #002 by sweeping and watering down paved roads when conditions merit.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: M03

Source Name: MATERIAL TRANSFER SYSTEM

Source Capacity/Throughput:

N/A

ANTHRACITE CULM

N/A

ANTHRACITE CULM

N/A

ANTHRACITE CULM

N/A

FLYASH

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 001 [25 Pa. Code §123.1]**

Prohibition of certain fugitive emissions

To comply with Site Level Conditions #001 & #002, the permittee shall maintain partial enclosures around the coal conveyor system to minimize fugitive dusts.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: M05

Source Name: FUEL & ASH STOCKPILES

Source Capacity/Throughput:

N/A

FLYASH

N/A

ANTHRACITE CULM

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.****# 005 [25 Pa. Code §127.511]**

Monitoring and related recordkeeping and reporting requirements.

The permittee shall, on a quarterly basis, compile a report of the results of all fuel analyses (if any) and fuel characteristic certifications for No. 2 Fuel Oil delivered to the facility during the previous 3 months, to be submitted to the Department within thirty days of the close of each calendar quarter.

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.441]**

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, Section 129.93]

To optimize combustion efficiency, the permittee shall operate and maintain these sources in accordance with the manufacturer's specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION G. Emission Restriction Summary.**

Source Id Source Description

031 FOSTER WHEELER BOILER #6

Emission Limit			Pollutant
0.690	Lbs/MMBTU	30-day running average	NOX
3.700	Lbs/MMBTU	30-day running average	SOX
4.000	Lbs/MMBTU	daily average, <2 days in any 30-day period	SOX
4.800	Lbs/MMBTU	daily average maximum limit	SOX
0.100	Lbs/MMBTU		TSP
102.000	Lbs/Yr	when firing Synthetic Fuel	VOC

033 CLEAVER BROOKS BOILER #8

Emission Limit			Pollutant
4.000	Lbs/MMBTU	over any 1-hour period	SOX
0.400	Lbs/MMBTU		TSP

034 CLEAVER BROOKS BOILER #7

Emission Limit			Pollutant
4.000	Lbs/MMBTU	over any 1-hour period	SOX
0.400	Lbs/MMBTU		TSP

CT1 SIMPLE CYC COMBUSTION TURBINE W/WATER INJECTION

Emission Limit			Pollutant
25.000	PPMV	@ 15% Oxygen, except during start-up & shutdown	NOX
37.900	Tons/Yr	12-month rolling summation	NOX
41.000	Lbs/Hr	3-hour rolling average	NOX
500.000	PPMV	over any 1-hour period	SOX
0.020	gr/DRY FT3		TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
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***** End of Report *****